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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/710,663	07/27/2004	Bin-Juine Huang	12262-US-PA	4662
31561 JIANO CHYUI	7590 05/03/200 N INTELLECTUAL P		EXAMINER -	
7 FLOOR-1, N	IO. 100		DUONG, THO V	
ROOSEVELT TAIPEI, 100	ROAD, SECTION 2		ART UNIT	PAPER NUMBER
TAIWAN		3744		
			NOTIFICATION DATE	DELIVERY MODE
			05/03/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

	Application No.	Applicant(s)				
	10/710,663	HUANG ET AL.				
Office Action Summary	Examiner	Art Unit .				
·	Tho v. Duong	3744				
The MAILING DATE of this communication apperiod for Reply	ppears on the cover sheet	with the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPI WHICHEVER IS LONGER, FROM THE MAILING [- Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the maili earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUN. 136(a). In no event, however, may will apply and will expire SIX (6) Moreover, cause the application to become	NICATION. a reply be timely filed ONTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 06 i	sponsive to communication(s) filed on <u>06 February 2007</u> .					
2a)⊠ This action is FINAL . 2b)☐ Th						
3) Since this application is in condition for allow	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	Ex parte Quayle, 1935 C	.D. 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-7 is/are pending in the application	4) ⊠ Claim(s) <u>1-7</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>1-7</u> is/are rejected.					
. — —						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-7</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/	or election requirement.					
Application Papers	•					
9) The specification is objected to by the Examir	ner	•				
10) The drawing(s) filed on is/are: a) ac		o by the Examiner.				
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the corre						
11) The oath or declaration is objected to by the E	Examiner. Note the attach	ed Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119		•				
12) ☐ Acknowledgment is made of a claim for foreignal ☐ All b) ☐ Some * c) ☐ None of:	n priority under 35 U.S.C	. § 119(a)-(d) or (f).				
1. Certified copies of the priority docume	nts have been received.					
2. Certified copies of the priority document	nts have been received in	Application No				
3. Copies of the certified copies of the pri	iority documents have bee	en received in this National Stage				
application from the International Bure	au (PCT Rule 17.2(a)).	• • • • • • • • • • • • • • • • • • •				
* See the attached detailed Office action for a list	st of the certified copies n	ot received.				
· · · · · · · · · · · · · · · · · · ·		•				
Attachment(s)	·	·				
1) Notice of References Cited (PTO-892).	4) Interview	w Summary (PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	· ·	lo(s)/Mail Date of Informal Patent Application				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	6) Other:	* *				

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DETAILED ACTION

Receipt of applicant's amendment filed 2/16/07 is acknowledged. Claims 1-7 are pending.

Response to Arguments

Applicant's arguments filed 2/16/07 have been fully considered but they are not persuasive. Applicant's argument that Yao fails to disclose a connection between an end of the first hollow tube and an end of the second hollow tube, has been very carefully considered but is not deemed to be persuasive (See the rejection bellow).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yao et al. (US 6,450,132) in view of T. D. Coe (US 3,387,653). Yao discloses (figures 1,5-7 and column 1, lines 50-67) a heat transfer device for transporting a heating source from a heating device comprising an evaporator, which comprises a first hollow tube (2); a porous core (7), which has a fluid channel fluidly connected to a fluid reservoir, mortised inside the first hollow tube; a second hollow tube (4) mortised on the first hollow tube (2) and totally secured inside the second hollow tube; a connecting pipe (9,11) connected to the evaporator; a condenser (20) on the connecting pipe; and a channel (36) between the first hollow tube (2) a porous core (7); the

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channel (36) being fluidly connected to the connecting pipe (9,11); the first hollow tube (2) and second hollow tube (4), each has a closed end, which has a first surface and a first hole formed therein for connecting to the connecting pipes (9,11). Yao does not disclose a heat conductor covering the evaporator and being on the heating device. Coe discloses (figures 3-4 and column 4, lines 8-14) a heat transfer device that has a heat conductor comprises a first heat conducing block (22) having a heat conducting tenon (26,27), a second heat conducting block (24) having mortise (31,32) for the insertion of the tenon; the first block and second block are put together to cover the tube (21) for a purpose of allowing semiconductor devices to be cooled, affixed on the heat transfer device in good thermal contact therewith. It would have been obvious to one having ordinary skill in the art at the time the invention was made to use Coe's teaching in Yao's device for a purpose of allowing semiconductor devices to be cooled, affixed on the heat transfer device in good thermal contact therewith. Yao discloses (figure A bellow) a connection between an end of the first hollow tube (2) and an end of the second hollow tube that are mortised one to another.

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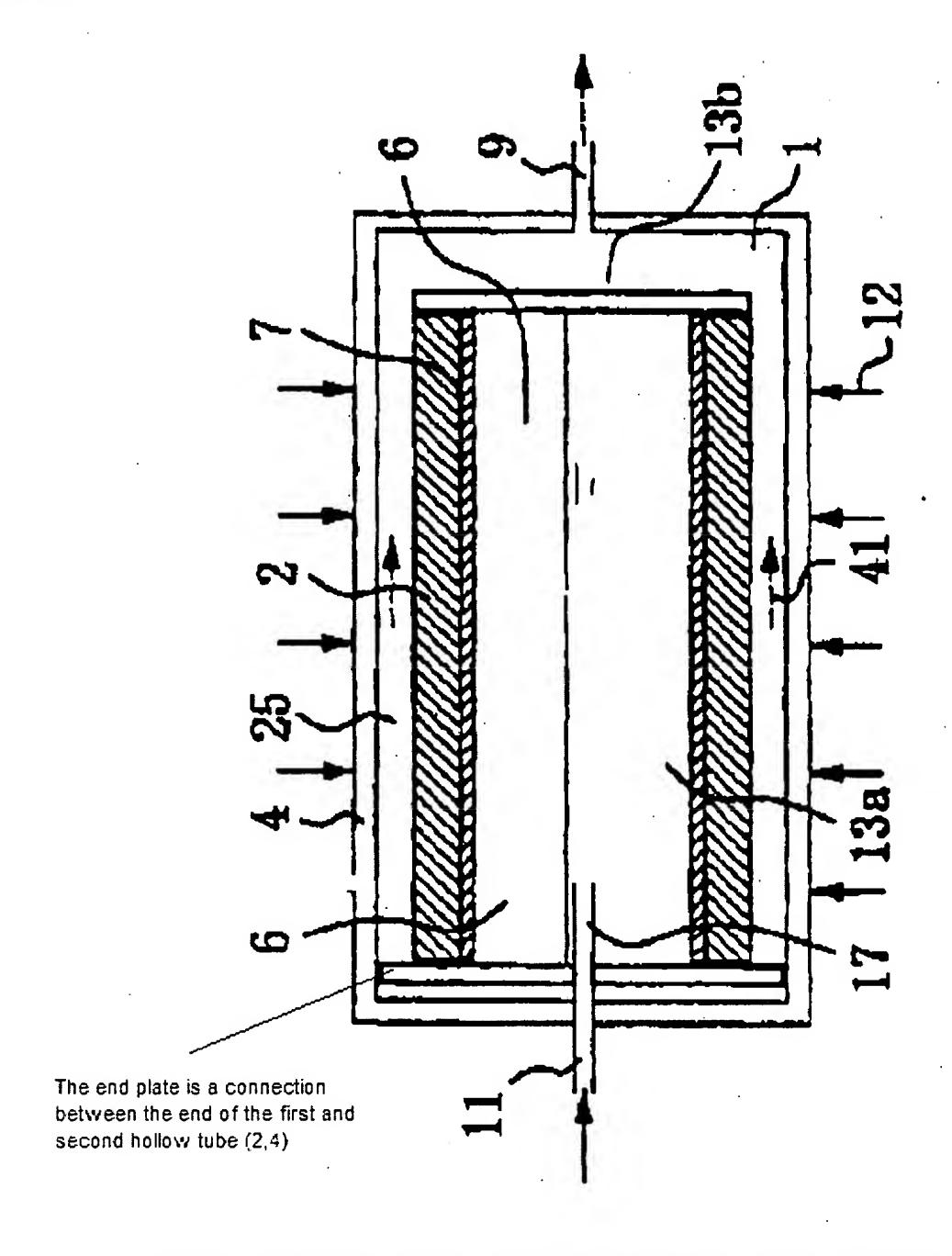


FIGURE A: THE MODIFIED FIGURE CORRESPONDES TO FIGURE 7 WITH LIMITATION SHOWN

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho v. Duong whose telephone number is 571-272-4793. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tyler J. Cheryl can be reached on 571-272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tho v Duong

Primary Examiner

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.TD April 27, 2007